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PCN Date: 7/29/2014		Effective Date: 11	/4/2014			
Title: Si3226x-C Capacity Expansion through the addition of Vanguard Fab						
Originator: Brad Seegmiller	Phon	e: 512-532-5724	Dept: APS Marketing			
Customer Contact: Kathy Haggar	Phon	e: 512-532-5261	Dept: Sales			
PCN Type:						
🗌 Datasheet 🛛 🖂 Fou	ndry] Packing			
Product Revision Asse	embly 🗌 Labeling					
🗌 Discontinuance 📃 Test	:] Other				
Last Order Date: Not Applicable						
	PCN	l Details				
Description of Change:						
Silicon Labs is pleased to announce the ac second wafer fab for the high voltage die ProSLIC devices.						
There are no changes in product fit, funct sourcing wafers from Vanguard.	tion, q	uality, reliability or s	specifications as a result of			
No datasheet changes have occurred. No	hardw	are or software char	ges are required.			
After the effective date, Silicon Labs will Vanguard high voltage fabs.	schedu	le and fulfill orders	from both Telefunken and			
Reason for Change: Increase production capacity and reduce	ead tii	me.				
Impact on Form, Fit, Function, Quality, No change to fit, function, quality or relia the Vanguard high voltage die.			tain either the Telefunken or			
Product Identification:						
Si32260-C-FM1 Si32260-C-FM1R	S	i32260-C-FM2	Si32260-C-FM2R			
Si32260-C-GM1 Si32260-C-GM1R	S	i32260-C-GM2	Si32260-C-GM2R			
Si32261-C-FM1 Si32261-C-FM1R	S	i32261-C-FM2	Si32261-C-FM2R			
Si32261-C-GM1 Si32261-C-GM1R	S	i32261-C-GM2	Si32261-C-GM2R			
Si32266-C-FM1 Si32266-C-FM1R	S	i32266-C-GM1	Si32266-C-GM1R			
Si32267-C-FM1 Si32267-C-FM1R		i32267-C-GM1	Si32267-C-GM1R			
Si32268-C-FM1 Si32268-C-FM1R		i32268-C-GM1	Si32268-C-GM1R			
Si32269-C-FM1 Si32269-C-FM1R	S	i32269-C-GM1	Si32269-C-GM1R			
Last Date of Unchanged Product: 11/4/2	2014					

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Qualification Samples:

Samples of parts manufactured in Vanguard are available upon request. Please ensure that your sales or distribution representative understands that you are requesting parts specifically from the Vanguard fab.

Specific conditions of acceptance of this change will be considered on a case by case basis if written notice is submitted within 30 days of this notice. To request further data or inquire about this notification, please contact your local Silicon Labs sales representative. A list of Silicon Labs sales representatives is available at www.silabs.com.

In some cases rejection of a change notice may impact Silicon Labs product pricing, delivery, quality, or reliability.

Customer Early Acceptance Sign Off:

Customers may approve early PCN acceptance by completing the information below:

Early Acceptance: Date: _____

Name:

Company: _____

Email your early Acceptance approval to: <u>katherine.haggar@silabs.com</u>

Qualification Data:

See Appendix A for the qualification report.



Appendix A Qualification Report

Si3226x-C Vanguard Qualification Report



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Si3226x Part	Si3226x Part RevC, SMIC & Vanguard Fabrication, ASEKR Assembly							
T	T . O . IN	o 1171 - 11	Lot ID or Start	FaivPass or End	Notes	Summary	Status	
Test Name	Test Condition	Qualification	Start	LIIU	notes	Summary	Status	
	ccelerated Environment Stress	Tests	1					
HAST	JA110		Q35817	0/28	1			
	110°C, 85%RH	3 lots, N=>25	Q35882	0/28	1	3 lots	Pass	
	Vcc=3.6V, 264 hours		Q35883	0/28	1	0/84		
Temp Cycle	JA104		Q35010	0/30	1			
	Cond C: -65°C to 150°C	3 lots, N=>25	Q35016	0/30	1	3 lots	Pass	
	500 cycles		Q35013	0/30	1	0/90		
HTSL	JA103		Q35009	0/30	1			
	150°C, 1000hr	3 lots, N=>25	Q35015	0/30	1	3 lots	Pass	
			Q35012	0/30	1	0/90		
Test Group B - A	ccelerated Lifetime Simulation	Tests						
HTOL	JA108		Q35023	0/84				
	125°C, Dynamic	3 lots, N=>77	Q35024	0/85		3 lots	Pass	
	Vcc=3.6V, 1000 hours		Q35468	0/80		0/249		
LTOL	JA108							
	-10°C, Dynamic	1 lot, N=>32	Q35042	0/30		1 lots	Pass	
	Vcc=3.6V, 1000 hours					0/30		
ELFR	JA108		Q35456	0/518				
	125°C, Dynamic	3 lots, N=>500	Q35518	0/519		3 lots	Pass	
	Vcc=3.6V, 48 hours	-	Q35519	0/519		0/1556		
Test Group E - E	lectrical Verification	•						
ESD-HBM	JA114							
		1 lot, N=>3	Q35051	0/3	2	1 lot	±2000 V	
						0/3		
ESD-CDM	JC101							
		1 lot, N=>3	Q35050	0/3		1 lot	±1000 V	
						0/3		
Latch Up	JESD78							
	±200mA	1 lot, N=>6	Q35063	0/6			86 °C	
			Q35062	0/6			25 °C	

Notes:

1. Parts are Pre-conditioned at MSL3/260°C

2. Passes 2000V HBM ESD with exception of DCFFA and DCFFb pins. Passes 1000V HBM ESD with all pins included

This report applies to the following part numbers:					
S132260-C-FM1	Si32266-C-FM1	Si32260-C-FM2	Si32266-C-GM1		
Si32260-C-GM1	Si32267-C-FM1	Si32260-C-GM2	Si32267-C-GM1		
5i32261-C-F <i>M</i> 1	Si32268-C-FM1	Si32261-C-FM2	Si32268-C-GM1		
Si32261-C-GM1	Si32269-C-FM1	Si32261-C-GM2	Si32269-C-GM1		

Approved by: Kathy Torres

Prepared on: 28-July-2014

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